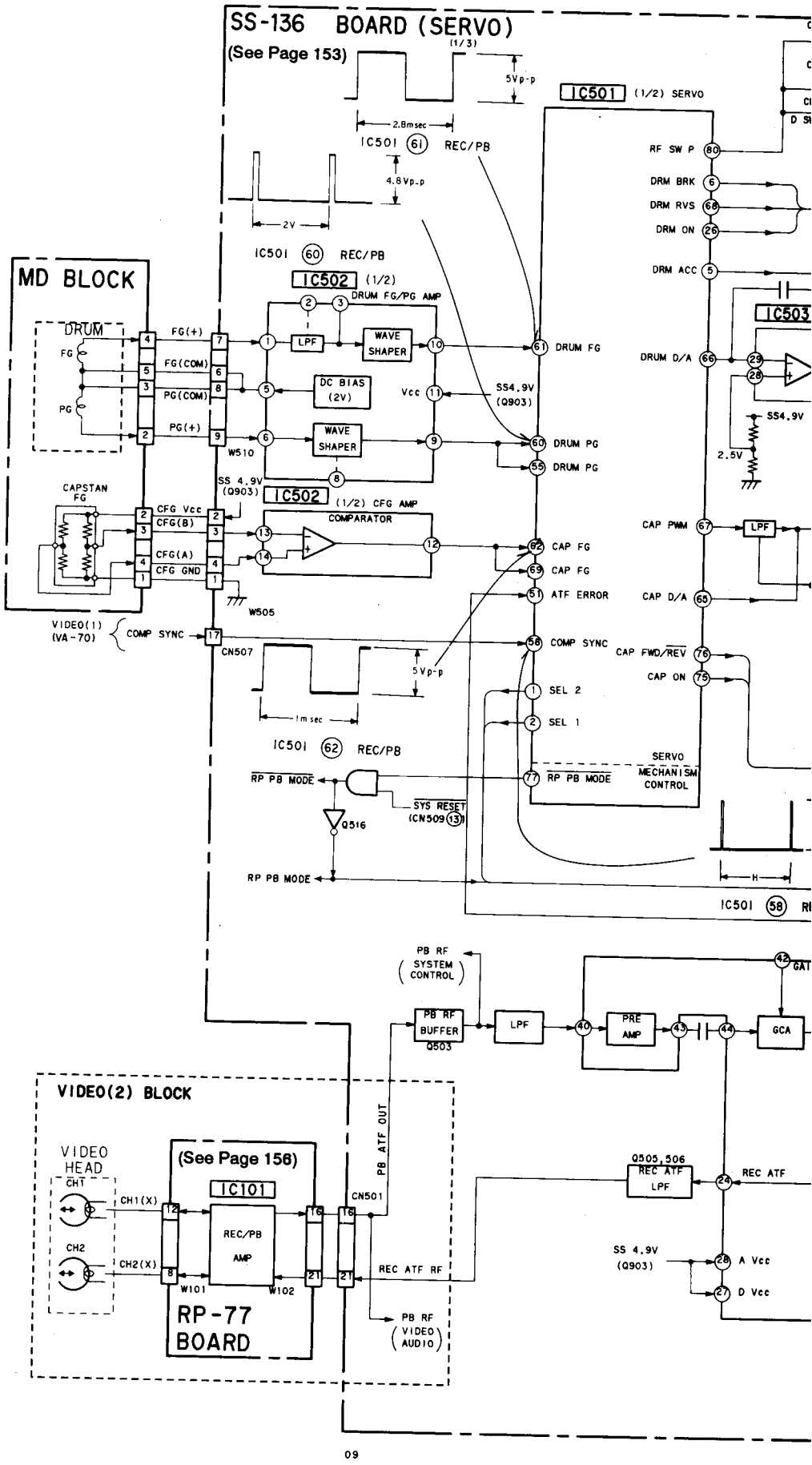
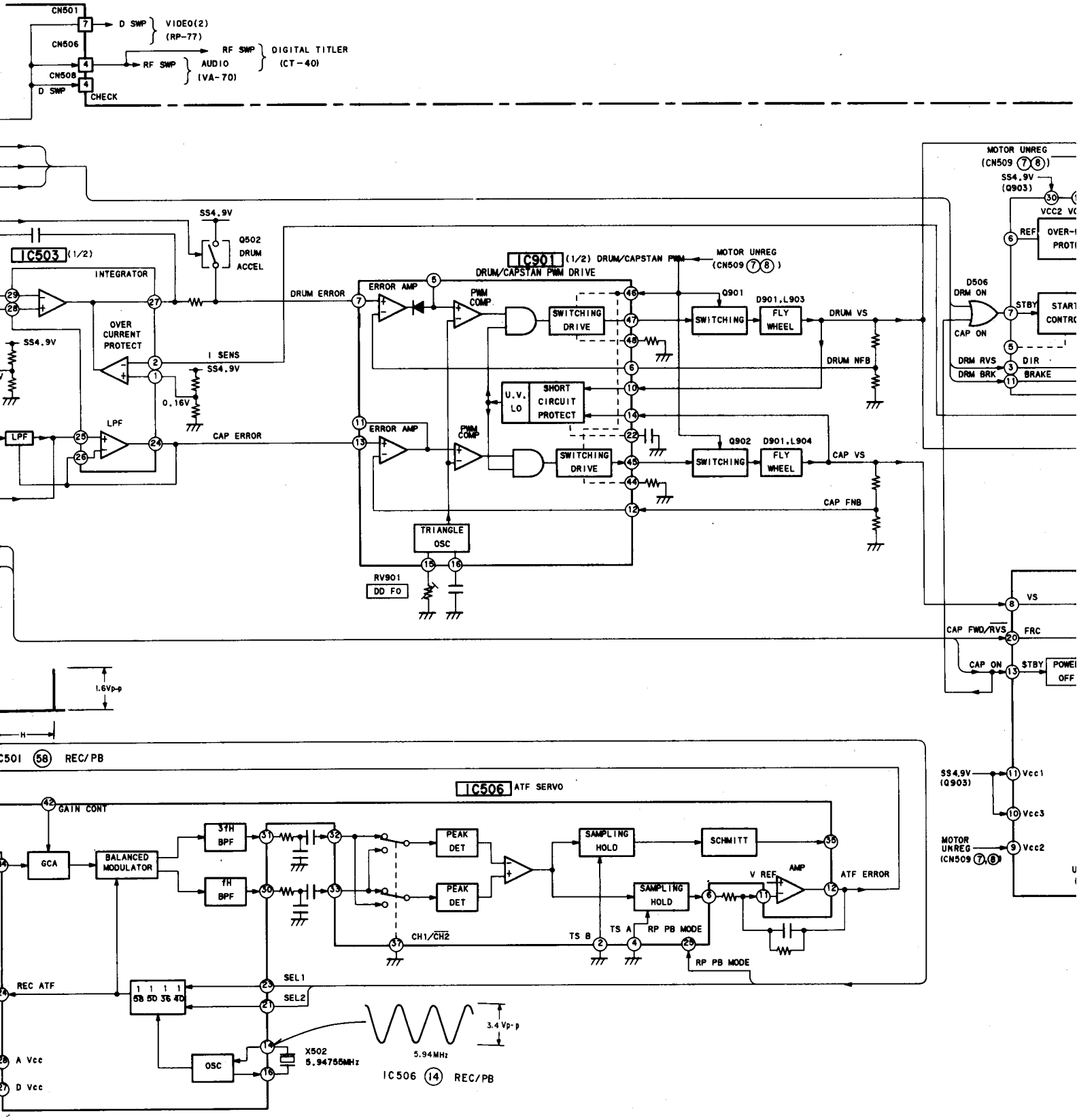
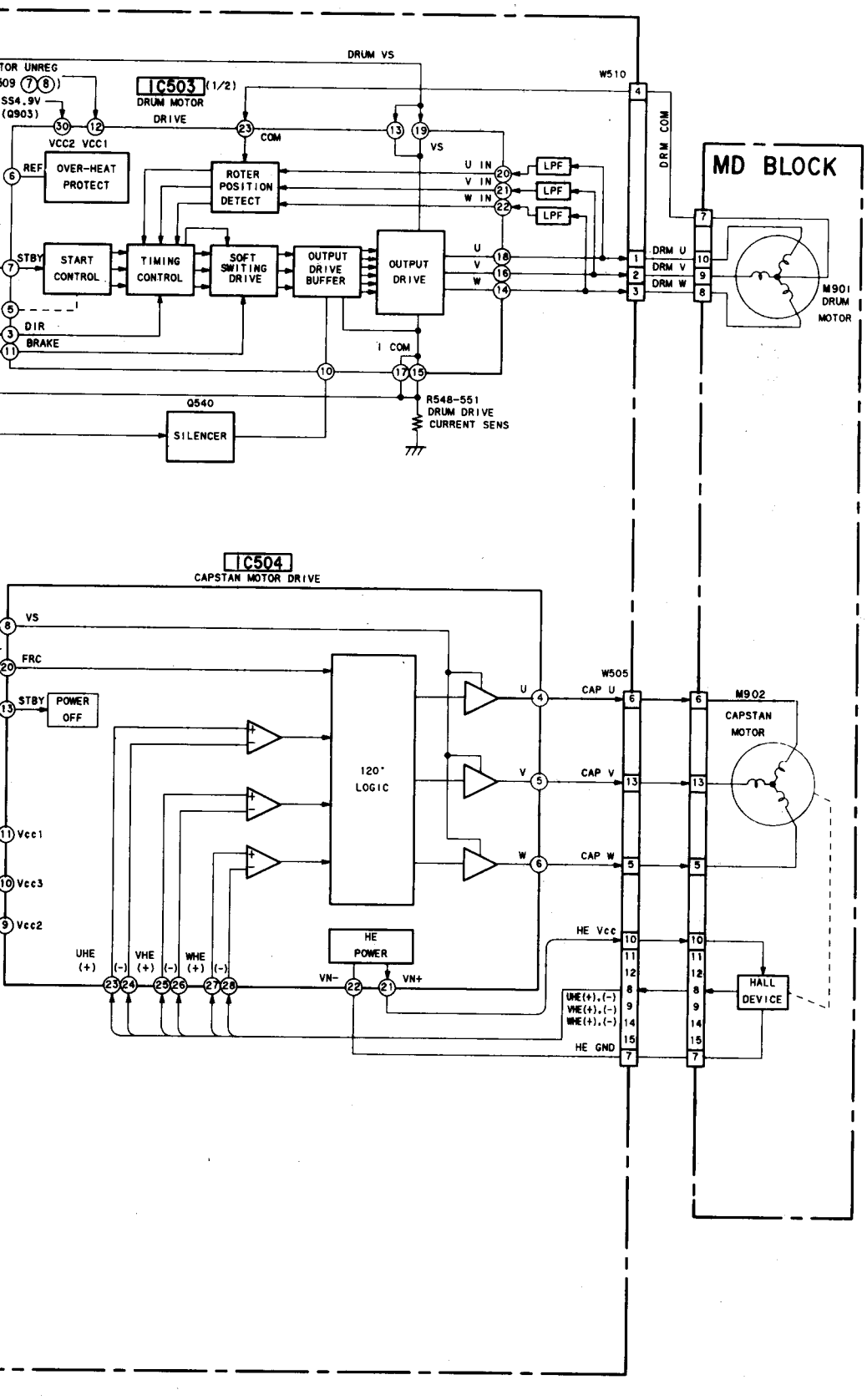
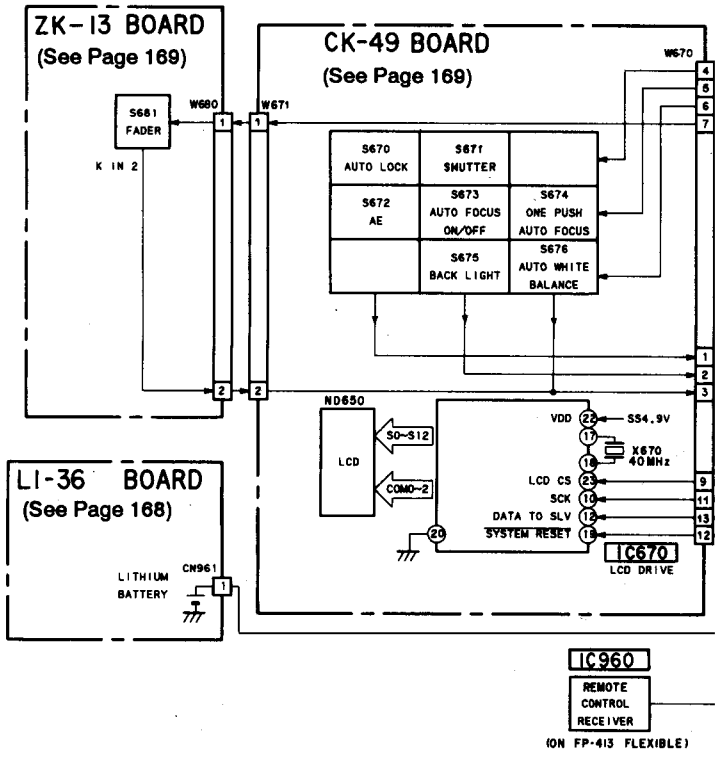
3-9. SERVO BLOCK DIAGRAM

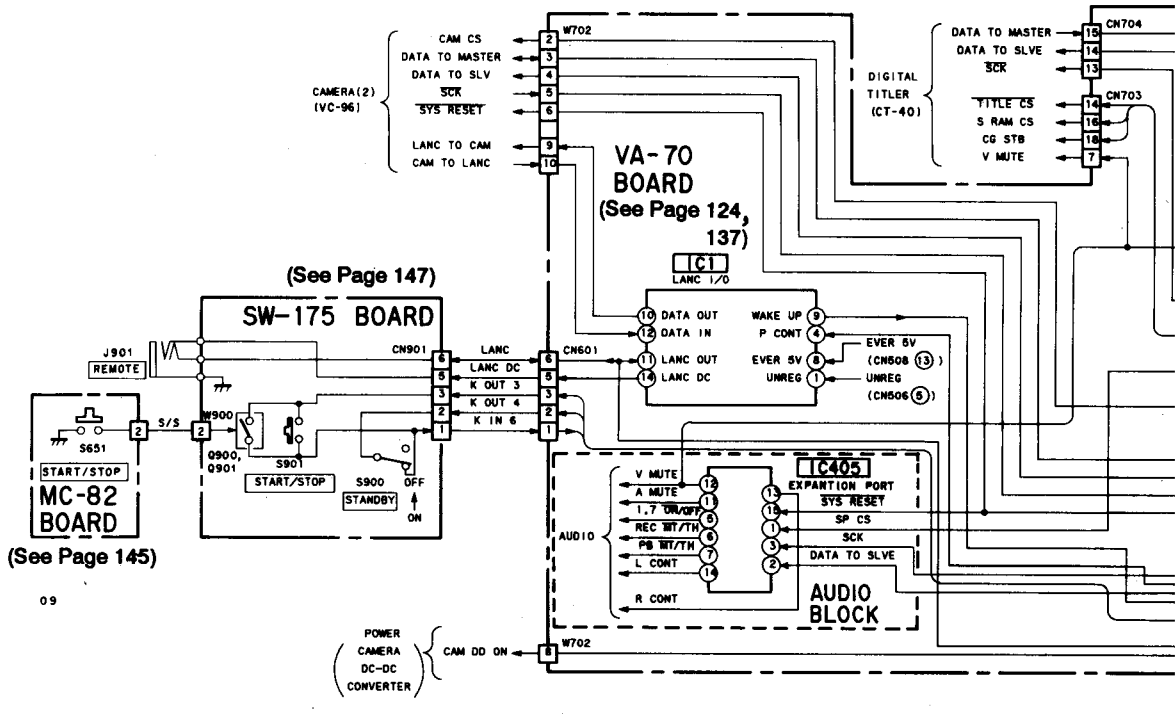


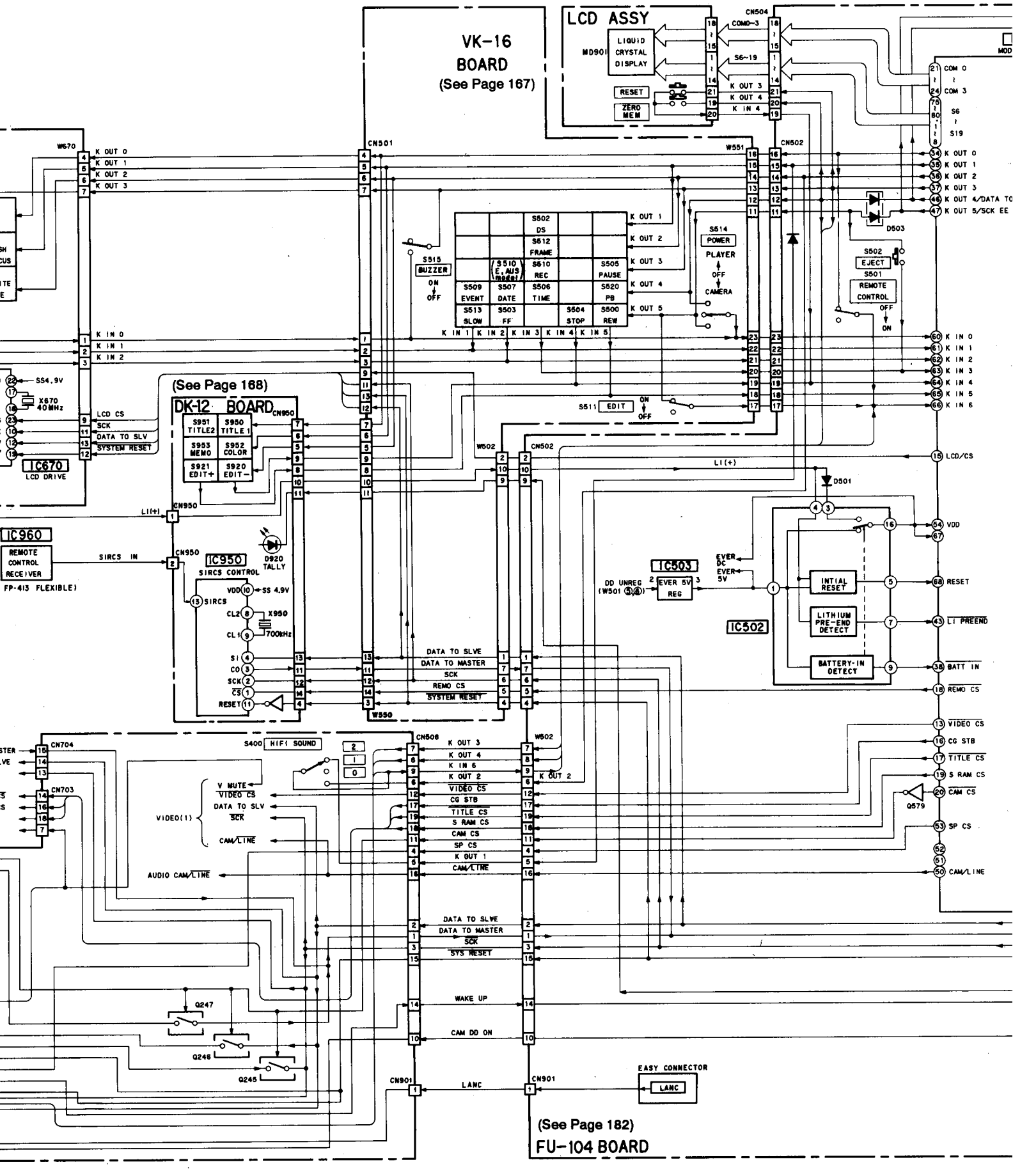

CN501
D SWP
VIDEO(2)
(RP-77)
CN506
RF SWP
DIGITAL TITLER
(CT-40)
RF SWP
AUDIO
(VA-70)
CN508
D SWP
CHECK
SS4.9V
Q502
DRUM
ACCEL
IC503 (1/2)
INTEGRATOR
OVER
CURRENT
PROTECT
I SENS
SS4.9V
0.16V
LPF
CAP ERROR
DRUM ERROR
ERROR AMP
PWM
COMP
IC901 (1/2) DRUM/CAPSTAN PWM
DRUM/CAPSTAN PWM DRIVE
MOTOR UNREG
(CN509 7 8)
SWITCHING
DRIVE
Q901
SWITCHING
D901,L903
FLY
WHEEL
DRUM VS
DRUM NFB
U.V.
LO
SHORT
CIRCUIT
PROTECT
Q902
D901,L904
CAP VS
CAP FNB
TRIANGLE
OSC
RV901
DD FO
MOTOR UNREG
(CN509 7 8)
SS4.9V
(Q903)
VCC2
REF
OVER-
PROT
D506
DRM ON
CAP ON
STBY
START
CONTRO
DRM RVS
DRM BRK
DIR
BRAKE
VS
CAP FWD/RVS
FRC
CAP ON
STBY
POWE
OFF
SS4.9V
(Q903)
Vcc1
Vcc3
MOTOR
UNREG
(CN509 7,8)
Vcc2
1.6Vp-p
H
C501 (58) REC/PB
IC506 ATF SERVO
GAIN CONT
GCA
BALANCED
MODULATOR
37H
BPF
fH
BPF
PEAK
DET
PEAK
DET
SAMPLING
HOLD
SCHMITT
V REF
AMP
ATF ERROR
SAMPLING
HOLD
CH1/CH2
TS B
TS A
RP PB MODE
RP PB MODE
REC ATF
SEL1
SEL2
1 1 1 1
58 50 36 40
A Vcc
D Vcc
OSC
X502
5.94755MHz
5.94MHz
3.4 Vp-p
IC506 (14) REC/PB

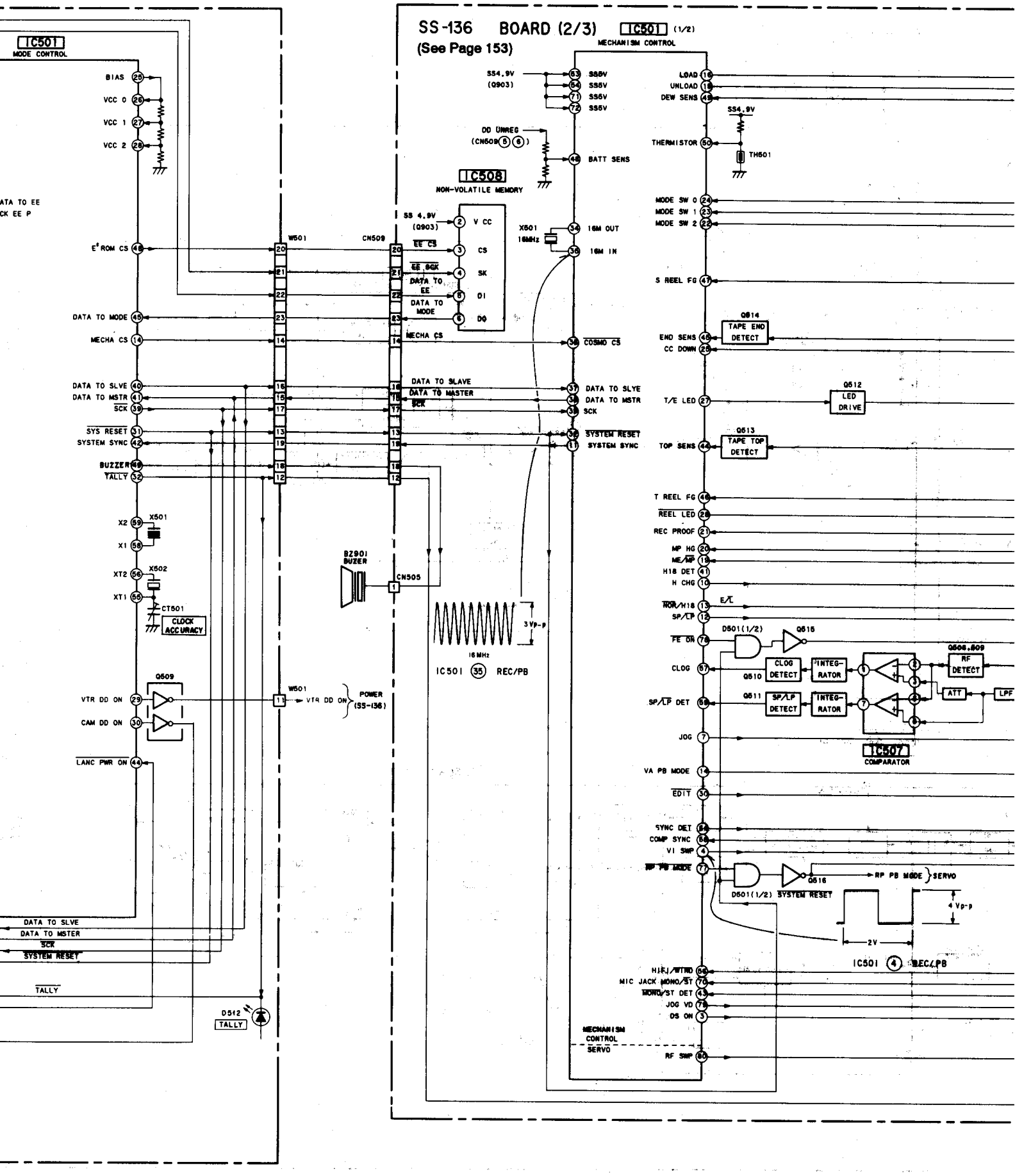

MD BLOCK
IC503 (1/2)
DRUM MOTOR DRIVE
DRUM VS
W510
DRM COM
VCC2 VCC1
COM
VS
U IN
V IN
W IN
LPF
REF
OVER-HEAT PROTECT
ROTER POSITION DETECT
STBY
START CONTROL
TIMING CONTROL
SOFT SWITING DRIVE
OUTPUT DRIVE BUFFER
OUTPUT DRIVE
DRM U
DRM V
DRM W
M901 DRUM MOTOR
DIR
BRAKE
I COM
Q540
SILENCER
R548-551 DRUM DRIVE CURRENT SENS
IC504
CAPSTAN MOTOR DRIVE
VS
FRC
STBY
POWER OFF
120° LOGIC
W505
CAP U
CAP V
CAP W
M902 CAPSTAN MOTOR
Vcc1
Vcc3
Vcc2
UHE (+)
VHE (+)
WHE (+)
HE POWER
VN-
VN+
HE Vcc
HE GND
HALL DEVICE

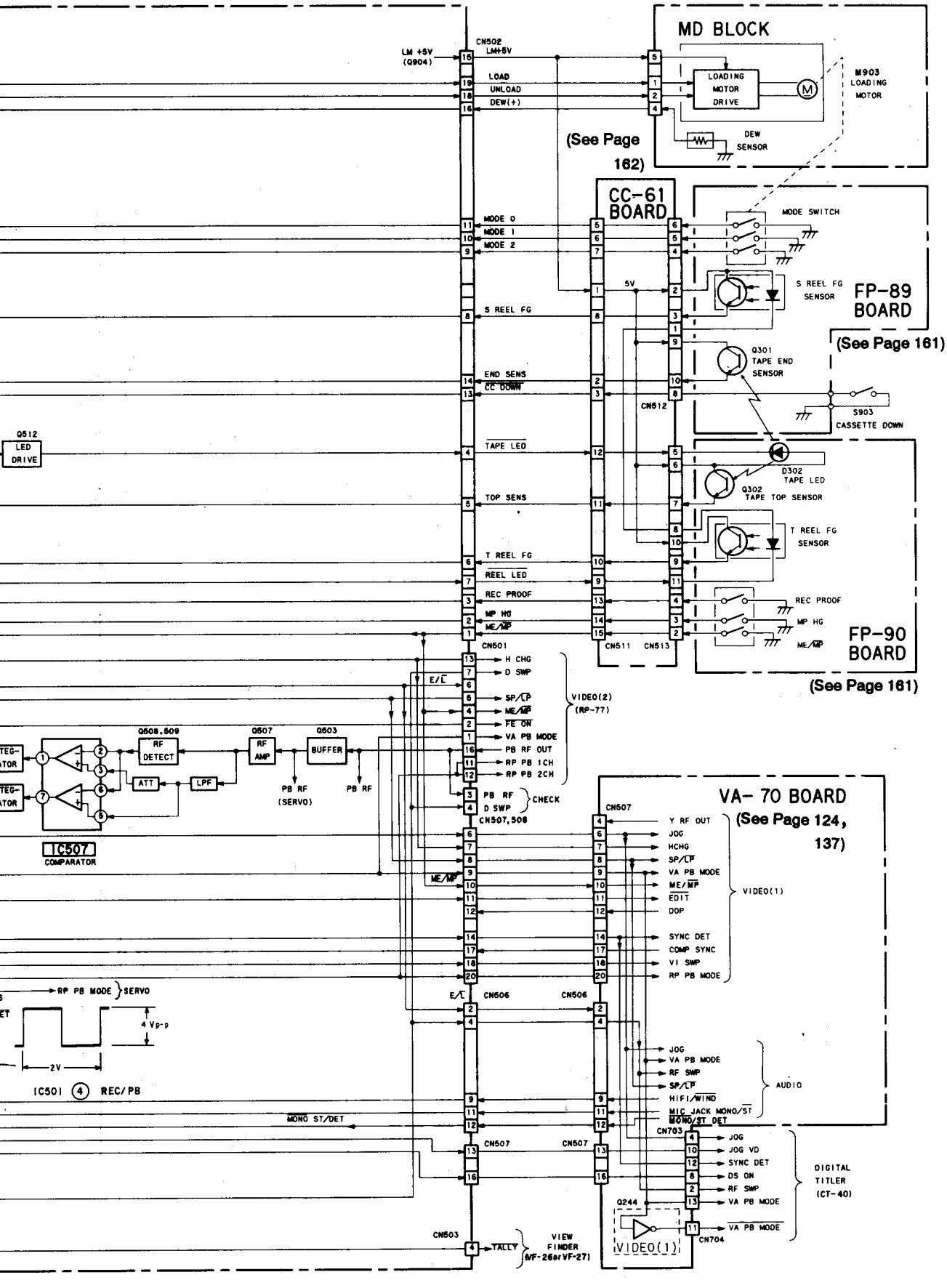
3-10. SYSTEM CONTROL BLOCK DIAGRAM






VK-16
BOARD
(See Page 167)
LCD ASSY
MD901
LIQUID CRYSTAL DISPLAY
RESET
ZERO MEM
CN504
COM0-3
S6~19
K OUT 3
K OUT 4
K IN 4
CN501
CN502
W670
W551
K OUT 0
K OUT 1
K OUT 2
K OUT 3
K IN 0
K IN 1
K IN 2
S502 DS
S512 FRAME
S510 REC
S505 PAUSE
S509 EVENT
S507 DATE
S506 TIME
S520 PB
S513 SLOW
S503 FF
S504 STOP
S500 REW
S515 BUZZER
S514 POWER
PLAYER
OFF
CAMERA
S502 EJECT
S501 REMOTE CONTROL
D503
S511 EDIT
K IN 1 K IN 2 K IN 3 K IN 4 K IN 5
(See Page 168)
DK-12 BOARD CN950
S951 TITLE2
S950 TITLE 1
S953 MEMO
S952 COLOR
S921 EDIT+
S920 EDIT−
IC670
LCD DRIVE
LCD CS
SCK
DATA TO SLV
SYSTEM RESET
S54.9V
X670 40MHz
W502
LI(+)
D501
IC960
REMOTE CONTROL RECEIVER
SIRCS IN
FP-413 FLEXIBLE)
CN950
IC950
SIRCS CONTROL
D920 TALLY
VDD
SS 4.9V
SIRCS
CL2
CL1
X950
700KHz
SI
CO
SCK
CS
RESET
IC503
DD UNREG (W501 5,6)
EVER 5V REG
EVER DC EVER 5V
IC502
INTIAL RESET
LITHIUM PRE-END DETECT
BATTERY-IN DETECT
DATA TO SLVE
DATA TO MASTER
SCK
REMO CS
SYSTEM RESET
W550
LCD/CS
VDD
RESET
LI PREEND
BATT IN
REMO CS
VIDEO CS
CG STB
TITLE CS
S RAM CS
CAM CS
SP CS
CAM/LINE
CN704
CN703
S400 HIFI SOUND
CN506
K OUT 3
K OUT 4
K IN 6
K OUT 2
VIDEO CS
CG STB
TITLE CS
S RAM CS
CAM CS
SP CS
K OUT 1
CAM/LINE
V MUTE
VIDEO CS
DATA TO SLV
SCK
CAM/LINE
VIDEO(1)
AUDIO CAM/LINE
Q579
Q247
Q246
Q245
WAKE UP
CAM DD ON
CN901
LANC
EASY CONNECTOR
LANC
(See Page 182)
FU-104 BOARD


SS-136 BOARD (2/3) IC501 (1/2)
(See Page 153)
IC501
MODE CONTROL
MECHANISM CONTROL
IC508
NON-VOLATILE MEMORY
IC507
COMPARATOR
W501
CN509
CN505
X501
X502
CT501
CLOCK ACCURACY
BZ901 BUZZER
Q509
Q512 LED DRIVE
Q513 TAPE TOP DETECT
Q514 TAPE END DETECT
Q510 CLOG DETECT
Q511 SP/LP DETECT
Q515
Q516
Q506,509 RF DETECT
ATT
LPF
INTEGRATOR
D501(1/2)
D512 TALLY
POWER (SS-136)
SERVO
SYSTEM RESET
REC/PB
BIAS
VCC 0
VCC 1
VCC 2
E²ROM CS
DATA TO MODE
MECHA CS
DATA TO SLVE
DATA TO MSTR
SCK
SYS RESET
SYSTEM SYNC
BUZZER
TALLY
X2
X1
XT2
XT1
VTR DD ON
CAM DD ON
LANC PWR ON
SS4.9V (Q903)
DD UNREG (CN509 5 6)
BATT SENS
16M OUT
16M IN
COSMO CS
LOAD
UNLOAD
DEW SENS
THERMISTOR
TH501
MODE SW 0
MODE SW 1
MODE SW 2
S REEL FG
END SENS
CC DOWN
T/E LED
TOP SENS
T REEL FG
REEL LED
REC PROOF
MP HG
ME/MP
H18 DET
H CHG
NOR/H18
SP/LP
FE ON
CLOG
SP/LP DET
JOG
VA PB MODE
EDIT
SYNC DET
COMP SYNC
VI SWP
RP PB MODE
SYSTEM RESET
MIC JACK MONO/ST
MONO/ST DET
JOG VD
OS ON
RF SWP
3Vp-p
16MHz
4Vp-p
2V


MD BLOCK
LOADING MOTOR DRIVE
M903 LOADING MOTOR
DEW SENSOR
(See Page 162)
CC-61 BOARD
MODE SWITCH
S REEL FG SENSOR
FP-89 BOARD
(See Page 161)
Q301 TAPE END SENSOR
S903 CASSETTE DOWN
Q512 LED DRIVE
Q302 TAPE LED
Q302 TAPE TOP SENSOR
T REEL FG SENSOR
REC PROOF
MP HG
ME/MP
FP-90 BOARD
(See Page 161)
CN502
LM +5V (Q904)
LOAD
UNLOAD
DEW(+)
MODE 0
MODE 1
MODE 2
5V
S REEL FG
END SENS
CC DOWN
TAPE LED
TOP SENS
T REEL FG
REEL LED
REC PROOF
MP HG
ME/MP
CN512
CN511
CN513
CN501
H CHG
D SWP
E/E
SP/LP
ME/MP
FE ON
VA PB MODE
PB RF OUT
RP PB 1CH
RP PB 2CH
VIDEO(2) (RP-77)
PB RF
D SWP
CHECK
CN507,508
Q508,509 RF DETECT
Q507 RF AMP
Q503 BUFFER
ATT
LPF
PB RF (SERVO)
PB RF
IC507 COMPARATOR
VA-70 BOARD
(See Page 124, 137)
CN507
Y RF OUT
JOG
HCHG
SP/LP
VA PB MODE
ME/MP
EDIT
DOP
VIDEO(1)
SYNC DET
COMP SYNC
VI SWP
RP PB MODE
CN506
CN506
JOG
VA PB MODE
RF SWP
SP/LP
HIFI/WIND
MIC JACK MONO/ST
MONO/ST DET
AUDIO
MONO ST/DET
CN507
CN507
CN703
JOG
JOG VD
SYNC DET
DS ON
RF SWP
VA PB MODE
DIGITAL TITLER (CT-40)
Q244
VIDEO(1)
VA PB MODE
CN704
CN503
TALLY
VIEW FINDER (VF-26 or VF-27)
RP PB MODE
SERVO
4 Vp-p
2V
IC501 ④ REC/PB